

10/551,572

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 October 2004 (14.10.2004)

PCT

(10) International Publication Number
WO 2004/087104 A1

(51) International Patent Classification⁷: **A61K 9/127**,
9/51, 31/4745, 31/7072, 47/02

(21) International Application Number:
PCT/CA2004/000505

(22) International Filing Date: 2 April 2004 (02.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/460,171 2 April 2003 (02.04.2003) US

(71) Applicant (for all designated States except US): **CELATOR TECHNOLOGIES, INC.** [CA/CA]; Suite 200, 604 West Broadway, Vancouver, British Columbia V5Z 1G1 (CA).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **TARDI, Paul** [CA/CA]; 19081 Sundale Court, Surrey, British Columbia V3S 7M6 (CA).

(74) Agents: **ROBINSON, Christopher, J.** et al.; Fetherstonhaugh & Co., Box 11560 Vancouver Centre, Suite 2200, 650 West Georgia Street, Vancouver, British Columbia V6B 4N8 (CA).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PHARMACEUTICAL COMPOSITIONS CONTAINING ACTIVE AGENTS HAVING A LACTONE GROUP AND TRANSITION METAL IONS

(57) Abstract: Compositions and methods for stabilizing an active agent containing one or more actone rings. The compositions, including pharmaceutical compositions, ensure that the lactone ring of the active agent is stabilized in the active, ring-closed form due to the inclusion of a transition metal ion.

WO 2004/087104 A1